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- (74) Agent: BLASI, Robert, S.; Testa, Hurwitz & Thibault, LLP, High Street Tower, 125 High Street, Boston, MA 02110 (US).
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- (71) Applicant (for all designated States except US): CITRIX SYSTEMS, INC. [US/US]; 851 W. Cypress Creek Road, Fort Lauderdale, FL 33309 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ROBINSON, David [AU/AU]; 28 Murray Farm Road, Carlingford 2118 (AU). LABORCZFALVI, Lee [AU/AU]; 10 Attunga Street, Seven Hills 2147 (AU). SEMAAN, Pierre [AU/AU]; 36 Keldie Street, Forestville, NSW 2087 (AU). ROY-CHOUDHRY, Anil [AU/AU]; 40 Bricketwood Drive, Woodcroft, NSW 2767 (AU). DUURSMA, Martin [AU/AU]; 4 Orchid Place, West Pennant Hills 2125 (AU). PANASYUK, Anatoliy [AU/US]; 130 Avenue North East, Apt. 2606, Bellevue, WA 98005 (US).
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- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND APPARATUS FOR GENERATING GRAPHICAL AND MEDIA DISPLAYS AT A CLIENT

(57) Abstract: The invention generally relates to generating a display having graphical and/or media components at a client. In one aspect, a method for generating a graphical display at a client includes transmitting output from an application program executing on a server to the client, identifying a non-textual element within the application output, retrieving a compressed data format associated with the non-textual element, and transmitting to the client the compressed data format in place of the non-textual element. In another aspect, a method for generating a media presentation at a client includes transmitting output from an application program executing on a server to the client, identifying a media stream within the application output, intercepting an original compressed data set representing at least a portion of the media stream before processing by the application program, and transmitting the original compressed data set to the client.

WO 03/079212 A1

INTERNATIONAL SEARCH REPORT

International application No.

PCT/03/07965

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 15/16, 13/00

US CL : 709/247, 202, 203, 231

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 709/247, 202, 203, 231

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,112,250 A (APPELMAN) 29 August 2000, an abstract, Figs. 2-5, cols. 2-3.	1-133
Y	US 6,112,244 A (MOORE et al.) 29 August 2000, an abstract, Figs. 6-7, cols. 1-2.	1-133
Y	US 5,956,490 A (BUCHHOLZ et al.) 21 September 1999, an abstract, Figs. 5-9, cols. 2-5.	1-133
Y	US 6,240,442 B1 (DOMENIKOS et al.) 29 May 2001, an abstract, Figs. 2-6, cols. 3-6.	1-133
Y	US 5,557,749 A (NORRIS) 17 September 1996, an abstract, Figs. 5-6, cols. 4-6.	1-133
Y	US 5,784,570 A (FUNKHOUSER) 21 July 1998, an abstract, Figs. 3-4, cols. 5-8.	1-133



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"G" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

18 MAY 2003

Date of mailing of the international search report

02 JUN 2003

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

KRISNA LIM

Telephone No. (703)-305-9672

Peggy Harrod

International application No.
PCT/US03/07965

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PCT/US03/07965

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,996,022 A (KRUEGER et al.) 30 November 1999, an abstract, Fig. 6, cols. 8-9.	1-133
Y	US 6,308,222 B1 (KRUEGER et al.) 23 October 2001, an abstract, Fig. 6, cols. 8-10.	1-133
Y, P	US 6,449,658 B1 (LAFE et al.) 10 September 2002, an abstract, Figs. 1-8, cols. 2-4.	1-133
A	US 6,185,625 B1 (TSO et al.) 06 February 2001, an abstract, cols. 2-3.	1-133
Y	US 5,862,347 A (SUZUKI et al.) 19 January 1999, an abstract, Figs. 15-21, cols. 3-6.	1-133

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US03/07965

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.